Date: Sat, 6 Aug 94 23:42:29 PDT

From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>

Errors-To: Info-Hams-Errors@UCSD.Edu

Reply-To: Info-Hams@UCSD.Edu

Precedence: Bulk

Subject: Info-Hams Digest V94 #881

To: Info-Hams

Info-Hams Digest Sat, 6 Aug 94 Volume 94 : Issue 881

Today's Topics:

Car warrantee and 2m radio
Cost of KHz? (re-visited)
Famous hams
Heard on 2M simplex
INFO WANTED: Yaesu FT-530
Isn't Amateur Radio a Hobby? (2 msgs)
Light bulbs and elephants
mods for Yaesu ft-211hr???
New ham acronyms???
Obtaining a US callsign (3 msgs)
orbs\$217.21
Shuttle Frequencies, So. California
Yaesu ft530 vco tune up

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu> Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu> Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

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Date: 6 Aug 1994 11:29:04 -0400

From: news1.digex.net!digex.net!not-for-mail@uunet.uu.net

Subject: Car warrantee and 2m radio

To: info-hams@ucsd.edu

In article <VBREAULT.94Aug5102424@rinhp750.gmr.com>, Val Breault wrote:

- > What did the dealer tell you that was different? Of course you should
  > realize that the dealers are independent businessmen that may not choose
- > to keep informed about all the various details of the business. If

The dealer looked at my trade-in w/all the antennas (HF, VHF) and told me I wan't planning to to the same on the new car. I said I sure was! He informed me that the warranty would be voided. He went as far as wanting to put in writing on the sales contract if I installed the gear it would void all electrical system warranties! He couldn't show me the GM policy on demand! I told him the hell w/your car and my wife and I left! What an attitude! I'll blame it on the butt-head business mentality in this country these days...

Andy N3LCW

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From: world!drt@uunet.uu.net

Date: Sat, 6 Aug 1994 16:07:10 GMT

Subject: Cost of KHz? (re-visited)

To: info-hams@ucsd.edu

John K. Maenpaa (maenpaj@rtsg.mot.com) wrote:

: My buddy in the next cube just pointed out that I was off by a factor of : 1000 in my cost per KHz calculation:

.

: > Hmmmm....le'see now, in the KDM case above that's 2 X 50 KHz pairs for a : > total of 200 KHz of RF spectrum. \$160 Million / 200 KHz = \$800 per KHz.

This should be \$800 per Hz!!

A KHz costs \$800,000

: I guess a 3 KHz wide SSB channel will cost me \$2,400,000!! I stand corrected : and am heading to the store for new calculator batteries.

Hope they're on sale. You've got to start saving up! :-)

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|David R. Tucker KG2S 8P9CL drt@world.std.com|

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Date: 6 Aug 1994 17:34:10 GMT

From: cs.utexas.edu!news.tamu.edu!furuta@uunet.uu.net

Subject: Famous hams To: info-hams@ucsd.edu

I noticed that Joe Lo Truglio of MTV's "The State" was wearing a Yaesu baseball jersey at the close of one of the 1993 episodes that was rerun the other night. Anyone know if there is a story behind that?

(There is a "Joseph P. Truglio" in the online callbook, but there's no possibility of match on the birth year.)

--Rick KE3IV

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Date: 5 Aug 1994 16:11:43 -0700

From: infoseek.com!not-for-mail@uunet.uu.net

Subject: Heard on 2M simplex

To: info-hams@ucsd.edu

Clifton T. Sharp (clifto@indep1.chi.il.us) wrote:

- > Heard today on 2M simplex FM in the OSCAR subband: "The radio
- > will operate single sideband, code wave and FM."

I wonder if the rig comes with both wave encode and decode, or whether the encoder is an installable option? ;-)

Todd, KB6JXT

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Date: 6 Aug 1994 21:58:40 GMT

From: news.delphi.com!gilbaronw0mn@uunet.uu.net

Subject: INFO WANTED: Yaesu FT-530

To: info-hams@ucsd.edu

>In article <31m5f6\$821@lucy.infi.net>, ke4fsm@infi.net (Sam Marshall)
>writes:
>
>Sam, what are the mods for the 530 and what freqs. are available on it?
>tnx

The FT530 can cover airccraft on am all of 130-170 and 400-450 more or less plus all of the cellular (rcv only) and the mod is just opening a pad. I think pad 14 but get the correct information. I have done it to mine and it is a bear to get at the small spot. I don't think I would try it again. OTOH it costs a bundle at a hamfest to have it done.

Gil Baron, El Baron Rojo, WOMN Rochester,MN "Bailar es Vivir" PGP2.6 key upon request

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Date: 6 Aug 94 20:53:00 GMT From: news-mail-gateway@ucsd.edu Subject: Isn't Amateur Radio a Hobby?

To: info-hams@ucsd.edu

>In article <bmicales.179.2E390EE1@facstaff.wisc.edu>, Bruce Micales wrote:

>> ....

>

>> Why did the FCC ever lower the requirements for theory for the Tech >> license?

it was part of "novice enhancement" from 1987...basically should have been called "technician enhancement". what do you want? a 50 question 3A and 3B or what?

73, bill wb9ivr

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Date: 6 Aug 94 21:04:00 GMT From: news-mail-gateway@ucsd.edu Subject: Isn't Amateur Radio a Hobby?

To: info-hams@ucsd.edu

<I'm takin the HTX-404 back for a full refund, as I think it must have a <design flaw, but I would be curious to know if there are other possible <explanations of these strange phenomena. --

<C. C. (Clay) Wynn N4AOX

<wyn@ornl.gov

So did you straighten this guy out or did you just let him go on in ignorance? Not very "ham like" if you didn't enlighten him.

Expecting everyone to be another Einstein, i guess.

I wouldn't expect you to know how to set up an AS-90 scorer in league mode to display pin difference and marks instead of accumulated total pins if you've never done it before either....oh, yeah, I want the overheads on 10 frame and the consoles on 4 frame displays while you're at it...

a few weeks ago some grads of an unnamed organization's radio class were going on about how CTCSS prevents an unencoded receiver from working...but i'm not surprised since a lot of the people involved with that effort don't understand something like CTCSS in the first place. I take a couple of minutes and now there are 2 more than know that CTCSS is their friend....

73, bill wb9ivr

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Date: Thu, 4 Aug 1994 07:41:02 -0400

From: ihnp4.ucsd.edu!nntp.ucsb.edu!library.ucla.edu!agate!usenet.ins.cwru.edu!news.ecn.bgu.edu!psuvax1!news.pop.psu.edu!news.cac.psu.edu!newsserver.jvnc.net!

rohvm1!roh033.mah48d@network.UCSD Subject: Light bulbs and elephants

To: info-hams@ucsd.edu

In article <31otjj\$ljc@geraldo.cc.utexas.edu>, oo7@astro.as.utexas.edu
(Derek Wills) wrote:

>

- So where was the light bulb installed relative to the radio?
- > If it's screwed right on the chassis I'm impressed, but if it's
- > connected by a few feet of wire, I'm less impressed.

I've still got the 30-odd-year-old lightbulb (still works) that I used for tuning up the old cw transmitter (Heathkit DX-40 :-) ). It's got a piece of wire about an inch long, folded so it fills the center hole of an S0-239 socket, soldered to the center contact, and another piece a couple of inches long, soldered to the threads, that slipped under one of the mounting screws of the socket. That's pretty short, even for loading an elephant. Of course, I never worked anybody on it.

- -

John Taylor (W3ZID) | "The opinions expressed are those of the roh033.mah48d@rohmhaas.com | writer and not of Rohm and Haas Company."

Date: 4 Aug 1994 00:53:42 GMT From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!uwm.edu!alpha2.csd.uwm.edu! pachner@ames.arpa Subject: mods for Yaesu ft-211hr??? To: info-hams@ucsd.edu I've just recently picked up an ft-211hr and was wondering if there are any mods to increase receive. tom, n9uuj Thomas Jay Pachner -=- Music Major (at least this week I am) University of Wisconsin - Milwaukee pachner@alpha2.csd.uwm.edu - please note new email address Amateur Radio Call Sign: N9UUJ \_\_\_\_\_\_ Date: 5 Aug 1994 13:42:19 GMT From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net! europa.eng.gtefsd.com!newsxfer.itd.umich.edu!newsrelay.iastate.edu! news.iastate.edu!isuvax.iastate.edu!TWP77@@. Subject: New ham acronyms??? To: info-hams@ucsd.edu In article <nickbCu10M2.6xy@netcom.com>, nickb@netcom.com (Nicholas L. Barbieri) writes: >BUT? (Big Ugly Tower) Cool!!! Another TLA! (That's a Three Letter Acronym... :-) \_\_\_\_\_ Date: Sat, 6 Aug 1994 16:00:59 GMT From: world!drt@uunet.uu.net Subject: Obtaining a US callsign To: info-hams@ucsd.edu twp77@isuvax.iastate.edu wrote: : In article <Cu28wD.EzM@world.std.com>, drt@world.std.com (David R Tucker) writes: : > the fourth is

: Did I read this right? The \*fourth\* test is actually the longest.

: >about as hard as the Canadian Advanced exam, the fifth is too but

: >contains more questions).

: It has 50 questions, while the fifth test only has 40.

You did, it's just vague. I meant the Extra exam had yet more theory questions - i.e., another 40 - but wasn't really much harder than the Advanced exam. Sorry about that.

Incidentally, the Canadian Basic has 75 theory/operating questions and 25 rules questions, for a total of 100. Their Advanced exam has 50 theory questions. In contrast, our no-code tech has only 55 questions, just over one third the number on the exam required for the equivalent Canadian license (Advanced qualificatio w/o code), and at a much lower level. By the time you take the US Advanced, you've answered 130 questions. Maybe the "full" no-code license should be no-code Advanced. (Their 12 wpm code test - 3 minutes, >5 errors fails - is harder than our 13 wpm, 5 minute, 1 minute perfect OR 7 questions and you pass version, as well.)

-drt

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|David R. Tucker KG2S 8P9CL drt@world.std.com|

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Date: 5 Aug 1994 13:53:13 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!

europa.eng.gtefsd.com!newsxfer.itd.umich.edu!newsrelay.iastate.edu!

news.iastate.edu!isuvax.iastate.edu!TWP77@@.

Subject: Obtaining a US callsign

To: info-hams@ucsd.edu

In article <Cu28wD.EzM@world.std.com>, drt@world.std.com (David R Tucker) writes:

> the fourth is

>about as hard as the Canadian Advanced exam, the fifth is too but >contains more questions).

Did I read this right? The \*fourth\* test is actually the longest. It has 50 questions, while the fifth test only has 40.

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Date: 5 Aug 1994 13:51:03 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!

europa.eng.gtefsd.com!newsxfer.itd.umich.edu!newsrelay.iastate.edu!

news.iastate.edu!isuvax.iastate.edu!TWP77@@.

Subject: Obtaining a US callsign

To: info-hams@ucsd.edu

In article <BK.BW.776067876.1103527590.fng@yvr.cyberstore.ca>, Felix Ng <fng@yvr.cyberstore.ca> writes:

>What are the requirements for getting a US callsign? I currently have >a Canadian callsign. Just curious.

Basically, not be an agent of a foreign government, have a US mailling address, and pass the exams.

In case you don't know, the current license structure in the US, the exams need for each, and a rough idea of priviledges is as follows:

NOVICE Novice Theory & 5 wpm code Limited HF priviledges
TECHNICIAN Novice and Technician Theory All VHF+ priviledges
TECH. PLUS Novice and Technician Theory Tech and Novice priv.
& 5 wpm code

GENERAL Novice, Tech, and General Tech priviledges plus
Theory & 13 wpm code most HF priviledges

ADVANCED Even more theory & 13 wpm General plus more HF

EXTRA More Theory (!) & 20 wpm All priviledges

This should give you a rough idea.

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Date: 6 Aug 94 16:25:17 GMT From: news-mail-gateway@ucsd.edu

Subject: orbs\$217.21 To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$0RBS-217.N 2Line Orbital Elements 217.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT FROM WA5QGD FORT WORTH,TX August 5, 1994 BID: \$ORBS-217.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:

1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ 2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJJKKKKKZ KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

For the past several weeks the keps for KO25 have not been producing accurate AOS, TCA, and LOS times. It is my belief that a more

accurate set of keps for KO25 is the object NASA lists as Catalog Number 22828. W5IU, K5EKH, KG5OA, and myself have confirmed this by monitoring numerous Cat No. 22828 passes. Below is the current keps for the object with Cat. # 22828. Try these out in your tracking program and see if they do a better job for KO25. Please leave a message on KO23 or KO25 to let me know how this set works. 73 Ray, WA5QGD

## A0-10

- 1 14129U 83058B 94215.22805310 -.00000302 00000-0 10000-3 0 2952 2 14129 27.0009 314.8290 6026240 199.5326 120.6764 2.05881876 83753 U0-11
- 1 14781U 84021B 94213.04189469 .00000067 00000-0 19144-4 0 7136 2 14781 97.7856 225.6656 0012585 122.2499 237.9928 14.69233978556892 RS-10/11
- 1 18129U 87054A 94213.27359705 .00000018 00000-0 35526-5 0 9324 2 18129 82.9271 295.5187 0010141 260.6002 99.4006 13.72339573356096 A0-13
- 1 19216U 88051B 94215.93255462 .00000363 00000-0 10000-4 0 9412 2 19216 57.7516 238.4314 7222331 347.2702 1.5691 2.09718789 47017 F0-20
- 1 20480U 90013C 94213.43350131 -.00000018 00000-0 39122-4 0 7108 2 20480 99.0410 356.7174 0539898 236.9611 117.8521 12.83226876209935 A0-21
- 1 21087U 91006A 94216.14915277 .00000093 00000-0 82657-4 0 4968 2 21087 82.9459 107.2296 0034831 313.1016 46.7226 13.74542801176172 RS-12/13
- 1 21089U 91007A 94213.38545202 .00000023 00000-0 87829-5 0 7133 2 21089 82.9223 337.9238 0029475 346.0088 14.0245 13.74044083174854 ARSENE
- 1 22654U 93031B 94205.08601395 -.00000142 00000-0 00000 0 0 2672 2 22654 1.9520 97.7392 2917162 186.8922 167.2050 1.42201946 1729 UO-14
- 1 20437U 90005B 94213.78039282 .00000010 00000-0 20896-4 0 157 2 20437 98.5893 297.9372 0011963 58.8472 301.3881 14.29850974236108 A0-16
- 1 20439U 90005D 94213.27445779 .00000003 00000-0 18064-4 0 8137 2 20439 98.5979 298.7190 0012267 60.0425 300.1970 14.29904960236047 D0-17
- 1 20440U 90005E 94213.78413741 .00000007 00000-0 19603-4 0 8144 2 20440 98.5988 299.5608 0012401 58.0788 302.1597 14.30044782236137 WO-18
- 1 20441U 90005F 94213.27050758 .000000001 00000-0 17366-4 0 8164 2 20441 98.5965 299.0502 0012910 60.7618 299.4853 14.30018823236060 LO-19
- 1 20442U 90005G 94213.73539692 .00000021 00000-0 25060-4 0 8123 2 20442 98.5995 299.7793 0013267 58.3596 301.8868 14.30115609236140 U0-22

- 1 21575U 91050B 94213.74571854 .000000013 00000-0 18775-4 0 5177 2 21575 98.4322 287.3167 0007877 147.7411 212.4257 14.36925651159626 KO-23
- 1 22077U 92052B 94213.41306658 -.00000037 00000-0 10000-3 0 4123 2 22077 66.0808 185.2892 0015350 275.1393 84.7872 12.86286851 92607 A0-27
- 1 22825U 93061C 94213.65198693 .00000007 00000-0 20768-4 0 3105 2 22825 98.6511 288.9979 0009583 74.8438 285.3810 14.27630722 44179 IO-26
- 1 22826U 93061D 94214.19032026 -.000000009 00000-0 14086-4 0 3102 2 22826 98.6515 289.5766 0010151 76.1180 284.1130 14.27735137 44254 KO-25
- 1 22830U 93061H 94213.62991027 -.00000035 00000-0 33681-5 0 3156 2 22830 98.5517 285.7863 0012449 45.9554 314.2653 14.28060707 44189 OBJ 22828
- 1 22828U 93061F 94213.76963000 -.00000006 00000-0 15345-4 0 2881 2 22828 98.6480 289.1772 0011104 62.6119 297.6185 14.28061411 12286 NOAA-9
- 1 15427U 84123A 94215.73515055 .00000117 00000-0 86262-4 0 9019 2 15427 99.0450 266.7740 0015871 84.8632 275.4348 14.13633304496979 NOAA-10
- 1 16969U 86073A 94215.76693453 .00000036 00000-0 33488-4 0 7974 2 16969 98.5081 223.3165 0012845 186.3620 173.7398 14.24900734409276 MET-2/17
- 1 18820U 88005A 94215.49523818 .00000028 00000-0 11549-4 0 3562 2 18820 82.5407 230.9503 0018360 50.0231 310.2527 13.84719219328905 MET-3/2
- 1 19336U 88064A 94213.59427610 .00000051 00000-0 10000-3 0 3096 2 19336 82.5400 291.5503 0017190 144.8154 215.4104 13.16968250289235 NOAA-11
- 1 19531U 88089A 94215.72629249 .00000075 00000-0 65427-4 0 7194 2 19531 99.1755 205.8097 0012225 4.3041 355.8230 14.13007420301857 MET-2/18
- 1 19851U 89018A 94213.75597542 .00000078 00000-0 56483-4 0 3105 2 19851 82.5213 107.5997 0015552 95.1060 265.1868 13.84370156273998 MET-3/3
- 1 20305U 89086A 94216.17052536 .00000044 00000-0 10000-3 0 1064 2 20305 82.5405 236.7979 0005331 169.6805 190.4389 13.04422901229155 MET-2/19
- 1 20670U 90057A 94213.41003535 -.00000029 00000-0 -39076-4 0 8133 2 20670 82.5455 172.5483 0017266 24.6776 335.5206 13.84189091206871 FY-1/2
- 1 20788U 90081A 94215.88224815 -.00000199 00000-0 -10331-3 0 311 2 20788 98.8366 234.5011 0014887 239.5385 120.4308 14.01350503200389 MET-2/20
- 1 20826U 90086A 94213.65208044 .00000094 00000-0 71501-4 0 8214 2 20826 82.5269 109.8175 0012367 286.6921 73.2884 13.83587320194046 MET-3/4

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1 21232U 91030A 94213.31479971 .00000051 00000-0 10000-3 0 7205
2 21232 82.5437 137.6981 0014536 72.5269 287.7438 13.16463399157294
NOAA-12
1 21263U 91032A 94215.74541817 .00000114 00000-0 70397-4 0 1232
2 21263 98.6148 242.4707 0013903 97.3891 262.8867 14.22434851167266
MET-3/5
1 21655U 91056A 94216.15247496 .00000051 00000-0 10000-3 0 7291
2 21655 82.5535 82.8772 0014667 73.7291 286.5437 13.16832975142777
MET-2/21
1 22782U 93055A 94213.36733443 .00000042 00000-0 24627-4 0 3226
2 22782 82.5485 170.6331 0023958 97.1572 263.2315 13.83011259 46335
POSAT
1 22829U 93061G 94213.63587076 .00000017 00000-0 24413-4 0 3038
2 22829 98.6464 289.0556 0011121 64.8056 295.4279 14.28035335 44181
MIR
1 16609U 86017A 94215.25868965 .00003454 00000-0 54150-4 0 6952
2 16609 51.6479 310.9106 0001314 199.0571 161.0371 15.56735880483357
HUBBLE
1 20580U 90037B 94215.55612231 .00000376 00000-0 22280-4 0 5147
2 20580 28.4707 291.6986 0005951 222.2340 137.7788 14.90649965 36464
GRO
1 21225U 91027B 94213.54285849 .00001811 00000-0 36407-4 0 1228
UARS
1 21701U 91063B 94213.60346557 .00002536 00000-0 24185-3 0 5620
2 21701 56.9863 337.0641 0005480 110.3085 249.8537 14.96580625157736
/EX
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Date: Fri, 05 Aug 1994 13:26:22 -0800

From: ihnp4.ucsd.edu!pacbell.com!amdahl!amd!netcomsv!mailer.ttech.com!

jimsmac.ttech.com!user@network.ucsd.edu
Subject: Shuttle Frequencies, So. California

To: info-hams@ucsd.edu

Could someone pleases post or E-Mail me the 2 meter and 440 amateur repeater frequencies that are used to rebroadcast space shuttle transmissions in the Southern California area. I am in the Anaheim area (specifically Yorba Linda)

thanks,
-Jim

Date: 5 Aug 1994 18:21:44 GMT

From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc! howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!newsrelay.iastate.edu!

news.iastate.edu!isuvax.iastate.edu!TWP77@network.ucsd.

Subject: Yaesu ft530 vco tune up

To: info-hams@ucsd.edu

In article <1994Aug5.102713.6377@moron.vware.mn.org>, chrisc@biggus.g4jec.ampr.org (Chris Cox W0/G4JEC) writes:

>Ryan said nothing about wanting to transmit out of band. The US 70cm >band allocation runs from 420-450 MHz, not 438-450.

Correct, and the FT-530 will cover 430-450MHz. (I believe this is more than most other dual-bands.)

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Date: 5 Aug 1994 13:39:52 GMT

From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!

europa.eng.gtefsd.com!newsxfer.itd.umich.edu!newsrelay.iastate.edu!

news.iastate.edu!isuvax.iastate.edu!TWP77@@.

To: info-hams@ucsd.edu

References <457@ted.win.net>, <31r3b6\$okv@news.iastate.edu>,

<bentti-040894154150@m32011.esl.com>,<1994Aug5.112003.15599@ke4zv.atl.ga.us>ate.ed

Reply-To : twp77@isuvax.iastate.edu

Subject : Re: Technician No Code

In article <1994Aug5.112003.15599@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>That's correct. The only consideration is that the FCC doesn't want more >than one license application per applicant in the pipeline at once. That >won't be an issue in upgrading from Tech to Tech Plus since all you need >is the CSCE from the VE. But if you upgrade to General, you should wait >until you get your Tech license before sending in the General paperwork. >The VEC will normally hold your application in this case.

Just to repeat what has been posted here before, THE FCC IS NOW ISSUING TECHNICIAN PLUS LICENSES. This means, if you learn the code, you will need to send in a form 610 and get a new license. (Maybe need isn't quite right, but it is SOP now, so it should be done.)

Not that this should change anything. The team I've worked with before routinely has someone who has an application pending. They generally wait until the license comes and then send in the paperwork. (They, of course, discuss this with the applicant so they know what is going on.)

End of Info-Hams Digest V94 #881 \*\*\*\*\*\*\*\*\*\*